



Department of Defense  
**DIRECTIVE**  
**AD-A272 399**



July 9, 1993  
NUMBER 4120.11

ASD(P&L)

SUBJECT: Standardization of Mobile Electric Power (MEP) Generating Sources

- References:
- (a) DoD Directive 4120.11, "Standardization of Mobile Electric Power Generating Sources," November 19, 1979 (hereby canceled)
  - (b) DoD Instruction 5000.2, "Defense Acquisition Management Policies and Procedures," February 23, 1991
  - (c) MIL-STD-633, "Mobile Electric Power Engine Generator Standard Family Characteristics Data Sheet," February 22, 1980
  - (d) MIL-STD-1332, "Definitions of Tactical, Prime, Precise, and Utility Terminologies for Classification of the DoD Mobile Electric Power Engine Generator Set Family," March 13, 1973
  - (e) through (g), see enclosure 1

A. REISSUANCE AND PURPOSE

This Directive reissues reference (a) to update policy and responsibilities for the acquisition of DoD MEP generating sources, and establishes the position of the DoD Project Manager for MEP (PM-MEP).

B. APPLICABILITY AND SCOPE

This Directive:

1. Applies to the Office of the Secretary of Defense, the Military Departments, the Chairman of the Joint Chiefs of Staff and the Joint Staff, the Unified and Specified Commands, the Defense Agencies, and the DoD Field Activities (hereafter referred to collectively as "the DoD Components").
2. Does not cover fixed electric power generating sources, as defined in subsection C.1., below.
3. Covers MEP generating sources that fall within the parameters of DoD standard family ratings, as shown in enclosure 2.

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## C. DEFINITIONS

1. Fixed Electric Power Generating Sources. Those nontactical generator sets that require special foundations, protection from the elements, or remote assemblages, other than fuel supply, to become operational, and that are not capable of independently producing electric power when removed from an installed environment. Examples of such fixed installations are real property installed equipment; military construction programs; and nuclear, shipboard, or airborne electric power generating sources.

2. Mobile Electric Power (MEP) Generating Sources. All mobile, engine-driven, electric power generating sources, 750-kilowatt (kW) and smaller, which are skid-mounted, wheel-mounted, or man-portable that are complete equipment assemblages or a part of an assemblage, and that are capable of independently producing electric power when operating on diesel, gasoline, or other fuel from integral or remotely located fuel sources. Included are follow-on power sources; e.g., fuel cells and thermoelectric devices. (Fuel cells and thermoelectric devices of less than 0.5-kW rating and electrochemical batteries are not included.)

## D. POLICY

1. It is DoD policy to:

a. Establish, maintain, and provide a DoD standard family of MEP generating sources for maximum DoD Component use.

b. Implement the standardization policies of DoD Instruction 5000.2 (reference (b)) on MEP generating sources through the establishment of common military operational requirements, design and development, procurement, logistic support, and operational use by:

(1) Planning and coordinating the DoD development, engineering, and product improvement efforts. The requirements shall be satisfied to the maximum practicable extent through the use of nondevelopmental items, in accordance with Part 6, Section L of reference (b).

(2) Ensuring the availability of standard MEP generating sources that will meet DoD-wide needs with the required electrical performance, reliability, maintainability, durability, and versatility by the most cost-effective means.

(3) Reducing diversification of MEP generating sources entering the DoD supply system, thus minimizing logistic support without compromising mission accomplishment of the DoD Components.

(4) Standardizing, to the maximum extent practicable, the electrical output characteristics of the MEP generating sources, consistent with military systems and equipment needs under MIL-STD-633 (reference (c)).

2. In designing and developing end items and systems requiring electric power from MEP generating sources, the DoD Components shall consider the characteristics and suitability of the DoD standard family of MEP generating sources, as defined in reference (c) and MIL-STD-1332 (reference (d)).

3. When MEP generating sources are designed in, and procured as, an integral part of an end item or system, the current DoD standard MEP generating sources in reference (c) shall be used to the maximum extent practicable.

4. The DoD Components requiring MEP generating sources other than those available in the standard family shall so advise and obtain approval from the PM-MEP before starting procurement. The PM-MEP shall expedite action on such requests, as described in Note 9 of Appendix B in Subpart 208.7000(a) of the DFARS (reference (e)).

#### E. RESPONSIBILITIES

1. The Assistant Secretary of Defense (Production and Logistics) shall be responsible for MEP policy and guidance.

2. The Secretary of the Army is designated as the Lead Standardization Activity for Federal Supply Class (FSC) 6115, "Generators and Generator Sets, Electrical," and shall:

a. Prepare and issue a joint Army, Navy, Air Force, and Defense Logistics Agency (DLA) charter for the DoD PM-MEP.

b. Appoint the PM-MEP, who shall have overall management of MEP generating sources and shall:

(1) Provide all technical and acquisition management of MEP generating sources.

(2) Provide direction and control for MEP generating

sources in the following areas:

- (a) Engineering.
- (b) Acquisition.
- (c) Technical publications to include operator service and parts manuals.
- (d) Standardization.
- (e) Configuration management.

(3) Assist in guidance and coordination for MEP generating sources in the following areas:

- (a) Supply management.
- (b) Training.
- (c) Maintenance management.

(4) Be responsible for the planning and coordinating of the total DoD development, engineering, and product improvement efforts on MEP generating sources. The PM-MEP shall make recommendations to the DoD Components on their development and engineering efforts, including resources, to improve or modify the DoD standard family of MEP generating sources and assist in establishing long-range projects to develop more cost-effective MEP generating sources for future military needs.

(5) Maintain current military standardization documents MIL-STD-633 and MIL-STD-1332 (references (c) and (d)) on standardized MEP generating sources and characteristics. These documents assist in the efforts of limiting the size of the DoD family.

(6) Determine, for a particular contract, the kind and total amount of equipment to be procured, to include make and model, as appropriate, and the Agency that is assigned procurement responsibility to meet the standardization objective.

(7) Process emergency procurements from a requiring activity in an expeditious manner.

3. The Secretaries of the Military Departments shall submit to

the PM-MEP, by the last day of each fiscal year, their planned annual requirements for MEP generating sources.

4. The Director, Defense Logistics Agency, shall ensure the integrated management of FSC 6115 items, assigned to the DLA by the DFARS, Subpart 208.7000(a) (reference (e)), in accordance with DoD Directive 4140.1 (reference (f)).

5. The Heads of the DoD Components shall:

a. Use the DoD standard family of MEP generating sources to the maximum extent if that selection does not cause unacceptable performance, reliability, or timely availability of systems or equipment. If special requirements exist, the deviation procedures in subsection D.4., above, apply.

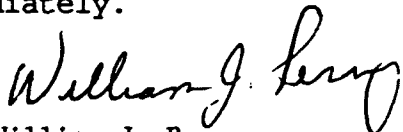
b. Consult the PM-MEP as to the availability of standard power sources for use in the design of systems or end items, and keep the PM-MEP apprised of any unusual needs that may dictate the use of other than standard MEP generating sources.

F. INFORMATION REQUIREMENTS

The annual reporting requirement in subsection E.3., above, is exempt from licensing, in accordance with paragraph E.4.b. of DoD 7750.5-M (reference (g)).

G. EFFECTIVE DATE

This Directive is effective immediately.

  
William J. Perry  
Deputy Secretary of Defense

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Enclosures - 2

1. References
2. DoD Standard Family Ratings of MEP Sources

|                    |                                     |
|--------------------|-------------------------------------|
| Accession For      |                                     |
| NTIS CRASH         | <input checked="" type="checkbox"/> |
| DTIC TAB           | <input type="checkbox"/>            |
| Unannounced        | <input type="checkbox"/>            |
| Justification      |                                     |
| By <i>form 50</i>  |                                     |
| Distribution/      |                                     |
| Availability Codes |                                     |
| Dist               | Avail and/or Special                |
| <i>A-1</i>         |                                     |

REFERENCES, continued

- (e) Defense FAR Supplement (DFARS), Subpart 208.7000(a), "Coordinated Acquisition," 1991 edition
- (f) DoD Directive 4140.1, "Materiel Management Policy," January 4, 1993
- (g) DoD 7750.5-M, "DoD Procedures for Management of Information Requirements," November 1986, authorized by DoD Directive 7750.5, August 7, 1986

DoD STANDARD FAMILY RATINGS OF MEP SOURCES<sup>1</sup>

| <u>RATING</u><br><u>(kW)</u> | <u>60 Hertz (Hz)</u> | <u>400Hz</u> | <u>Direct Current</u> |
|------------------------------|----------------------|--------------|-----------------------|
| 0.5                          | X                    | X            | X                     |
| 1.5                          | X                    |              | X                     |
| 3                            | X                    | X            | X                     |
| 5                            | X                    | X            | X                     |
| 10                           | X                    | X            | X                     |
| 15                           | X                    | X            |                       |
| 30                           | X                    | X            |                       |
| 60                           | X                    | X            |                       |
| 100                          | X                    | X            |                       |
| 150                          | X                    |              |                       |
| 200                          | X                    |              |                       |
| 500                          | X                    |              |                       |
| 750                          | X                    |              |                       |

<sup>1</sup>All 60-Hz sets, 15 kW and larger, have a 50-Hz capability derated to 5/6 of the 60Hz rating.